EAST 10/12/05

DBAT;    1		CA31,	
1	L Number	T (. /	
1   "20030094479" and friction near3 material   USPAT; US-PGPUB			
1   "20030094479" and friction near3 material   USPAT; US-POPUB USPAT; US-PO	2	20030094479"	DB
(back or backing) adj plate same loop same (brake or braking) braking)  [2218] [2318] [2318] [2418] [251] [251] [251] [251] [251] [251] [251] [251] [251] [252] [252] [252] [252] [253] [253] [253] [254] [254] [255] [254] [255] [255] [255] [255] [255] [256] [257] [2	-	1   "20030004470"	770
Second   S	3	1 ++1CC1On non-n	US-PCDIM
Cherake Or braking or clutch  Chack or backing  adj plate same (brake or lopen or braking) or pad  Chack or backing  adj plate same (brake or lopen or braking) or pad  Chack or backing  adj plate near4 (loop or braking) or pad  Chack or backing  adj plate near4 (loop or ushape or ushaped or u adj shape or u adj or pad  Chack or backing  adj plate near4 (loop or shaped) same (brake or braking) same (lining or pad) Chack or backing  adj plate near4 (loop or shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped or u sadj shape or u adj shaped or u adj	1 1	595   (back or back)	USPAT.
Cherake Or braking or clutch  Chack or backing  adj plate same (brake or lopen or braking) or pad  Chack or backing  adj plate same (brake or lopen or braking) or pad  Chack or backing  adj plate near4 (loop or braking) or pad  Chack or backing  adj plate near4 (loop or ushape or ushaped or u adj shape or u adj or pad  Chack or backing  adj plate near4 (loop or shaped) same (brake or braking) same (lining or pad) Chack or backing  adj plate near4 (loop or shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped) same (brake or braking) same (lining or pad) Chack or backing or support adj plate) near4 u adj shaped or u sadj shape or u adj shaped or u adj	4	backing) adj plate same	IIS-DODIM
braking) braking) adj plate same (brake or US-PGPUB USPAT; US-	1 1	50   (back or backing)	USPAT:
braking) braking) adj plate same (brake or US-PGPUB USPAT; US-	5	(brake or braking adj plate same loop	US-PGPUR
1251   Oback or backing) adj plate same (brake or braking) same (lining or pad)   USPAT; US-PGPUB USPAT; US-PGPUB ushaped or ushaped or u adj shape or u adj or pad)   USPAT; US-PGPUB ushaped or ushaped or u adj shape or u adj or pad)   USPAT; US-PGPUB ushaped or ushaped or u adj shape or u adj or pad)   USPAT; US-PGPUB ushaped) same (brake or braking) same (lining or pad)   USPAT; US-PGPUB ushaped) or ushaped or u adj shape or u adj or pad)   USPAT; US-PGPUB ushaped) same (brake or braking) same (lining or pad)   USOCR	1	(back or backing) or clutch)	USPAT;
braking) same (lining or pad)  12	6	Draking) ad plate same	US-PGPUB
ushape or ushaped or u adj shape or u adj or pad)  16	1	brok or backing) add place	
ushape or ushaped or u adj shape or u adj or pad)  16	1'	12 (backing) same (lining or all)	US-PGPUB
S	1 1	ushane backing) adi plate	USPAT;
S	1 1	shaped or ushaped or u add about (loop or	US-PGPUB
16   (back or backing) adj plate near4 (loop or shaped) same (brake or braking) addj plate near4 (loop or shaped) same (brake or braking) same (lining back or backing or support adj plate) near4 (loop or ushaped) same (brake or braking) same (lining or pad) (loop or ushaped) same (brake or braking) same (lining or pad) (lining or pad) (loop or ushaped) same (brake or braking) same (lining or pad) (loop or ushaped) same (brake or braking) same (lining or pad) (loop or ushaped) same (brake or braking) same (lining or pad) (loop or ushaped) same (brake or braking) same (lining or pad) (loop or ushaped or u adj shape or ushaped or u adj shape or ushaped or u adj shape or ulining or pad) (loop or ushape or ushaped or u adj shape or ulining or pad) (loop or ushape or ushaped or u adj shape or ulining or pad) (loop or ushape or ushaped or u adj shape or ulining or pad) (loop or ushape or ushaped or ulining or pad) (loop or ulining or ulining displace or ulining	8	or pad) the (brake or braking) of d adj	US-DODY
ushaped or ushaped or u adj shape or u adj or pad)  33 (back or backing or support adj plate) near4 (loop or u adj shaped or ushaped or		16   (back or b	1 OD-PGPOR
or pad)  or backing or support adj plate) near4 u adj shaped or ushaped or u adj shape or u adj shaped) same (brake or braking) same (laning or pad) (laning or pad) (loop or ushape or ushaped or u adj shape or (lining or pad) (loop or ushape or ushaped or u adj shape or u adj shaped) same (brake or braking) same  11  12  13  14  15  16  18  18  18  18  18  19  19  10  10  11  11  11  12  11  12  13  14  15  16  18  18  18  18  18  18  19  10  10  10  11  11  11  12  12  13  14  15  15  188/250g.ccls.  188/250g.ccls. and material same (rivet or lask/espog.ccls. and material same (rivet or lask/espog.ccls. and material nears (rivet or lask/espog.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  fastener or attach or attachment or loop)  fastener or attach or attachment or loop)  or metal adj free) nears (rivet or metalfree or attach or attachment or loop)  or metal adj free) nears (rivet or fastener lask/espog.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  or metal adj free) nears (rivet or fastener lask)  18  19  20  20  21  22  22  23  24  25  26  27  28  28  29  20  20  20  21  22  22  23  24  25  26  27  28  28  29  20  20  20  20  20  20  20  20  20	1	lighans adi plats	1
or pad)  or backing or support adj plate) near4 u adj shaped or ushaped or u adj shape or u adj shaped) same (brake or braking) same (laning or pad) (laning or pad) (loop or ushape or ushaped or u adj shape or (lining or pad) (loop or ushape or ushaped or u adj shape or u adj shaped) same (brake or braking) same  11  12  13  14  15  16  18  18  18  18  18  19  19  10  10  11  11  11  12  11  12  13  14  15  16  18  18  18  18  18  18  19  10  10  10  11  11  11  12  12  13  14  15  15  188/250g.ccls.  188/250g.ccls. and material same (rivet or lask/espog.ccls. and material same (rivet or lask/espog.ccls. and material nears (rivet or lask/espog.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  fastener or attach or attachment or loop)  fastener or attach or attachment or loop)  or metal adj free) nears (rivet or metalfree or attach or attachment or loop)  or metal adj free) nears (rivet or fastener lask/espog.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  or metal adj free) nears (rivet or fastener lask)  18  19  20  20  21  22  22  23  24  25  26  27  28  28  29  20  20  20  21  22  22  23  24  25  26  27  28  28  29  20  20  20  20  20  20  20  20  20	1 1	shaped) same (hoop or u adj shape or	USOCR
SPAT;   USPAT;   US		or pad) thake or braking of u adj	
SPAT;   USPAT;   US		3 (back or backing or	
(lining or pad) (back or backing or support adj plate) near4 (loop or ushape or ushaped or u adj shape or u adj shaped) same (lining or pad) (las/256). CCLs.  106 (188/255). CCLs.  118 (188/250g.ccls. 119 (188/250g.ccls. and material same (rivet or 188/250g.ccls. and saterial same (	1 1	(loop on support	1
Chack or backing or support adj plate) near4   Cloop or ushape or ushaped or u adj shape or ushaped or uspatt; Us-PGPUB USOCR  188/250g.ccls. and material nears (rivet or 1000) or metal adj free) nears (rivet or fastener uspatt) ushaped or ushape		u adj shaped) same (brake or u adj shape or	USPAT;
Cloop or ushape or ushaped or u adj shape or ushaped or ushaped or u adj shape or ushaped or usdj shape or uspare usdj shape or uspare usdj shape or uspare usdj shape or uspare usdj shape or uspare us		(had pad) (brake or braking) same	US-PGPUB;
11 30 (lining or pad) (188/256).CCLS.  12 106 (188/255).CCLS.  13 341 (188/250g).CCLS.  14 173 188/250g.ccls. 18 236631 188/250g.ccls. amd material same (rivet or 188/250g.ccls. and material near5 (rivet or 188/250g.ccls. and (nonmetallic or metalfree or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or loop) or metal adj free) near5 (rivet or fastener or loop) or metal adj free) near5 (rivet or fastener or loop) or metal adj free) near5 (rivet		(loop are backing or support	EPO; JPO;
11 30 (lining or pad) (188/256).CCLS.  12 106 (188/255).CCLS.  13 341 (188/250g).CCLS.  14 173 188/250g.ccls. 18 236631 188/250g.ccls. amd material same (rivet or 188/250g.ccls. and material near5 (rivet or 188/250g.ccls. and (nonmetallic or metalfree or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or loop) or metal adj free) near5 (rivet or fastener or loop) or metal adj free) near5 (rivet or fastener or loop) or metal adj free) near5 (rivet	1 1	u add shape or ushaped on plate) near4	DERWENT
12   106   (188/256).CCLS.   USPAT; US-PGPUB U	11	(lining or same (brake or hand) shape or	OSOCR
12		(188/256) care	
13 341 (188/250g).CCLS.  14 173 188/250g.ccls. 16 16 54 188/250g.ccls. and material same (rivet or 188/250g.ccls. and material nears (rivet or 188/250g.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  20	12	, , ,	
14	106	(188/255), CCLC	USPAT.
14 15 188/250g.CCLS.  173 188/250g.Ccls. amd material same (rivet or 188/250g.Ccls. and material nears (rivet or 188/250g.Ccls. and (nonmetallic or metalfree or attach or attachment or loop)  12	13	1	US-PGPUR
15   173   188/250g.ccls.   188/250g.ccls.   188/250g.ccls.   amd material same (rivet or 188/250g.ccls.   and material nears (rivet or 188/250g.ccls.   and material nears (rivet or 188/250g.ccls.   and material nears (rivet or 188/250g.ccls.   and (nonmetallic or metalfree or attach or attachment or loop)   or metal adj free) nears (rivet or fastener   usocr   uspat;   us-pgpub   usocr   usacr   uspat;   u	1	(188/250g).CCLS.	USPAT:
16  18  18  18  19  19  10  10  11  11  12  12  13  14  15  15  15  16  18  18  17  18  18  18  18  18  18  18	1 7 7 7		US-PGPUB
16  18  18  18  19  19  10  10  10  11  11  12  12  13  14  15  15  16  17  18  18  17  19  10  10  11  11  12  13  14  15  15  15  16  17  18  18  18  17  18  19  10  10  10  11  11  11  12  12  13  14  15  15  15  15  16  17  18  18  18  18  18  18  18  18  18	236631	188/250g.ccls.	USPAT;
fastener or attach or attachment or loop)  188/250g.ccls. and material near5 (rivet or lask/250g.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  20  20  21  21  22  22  22  23  24  25  26  27  28  28  28  28  29  20  20  20  20  21  20  20  20  21  20  20	1 1		US-PGPUB
fastener or attach or attachment or loop)  188/250g.ccls. and material near5 (rivet or lask/250g.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  20  20  21  21  22  22  22  23  24  25  26  27  28  28  28  28  29  20  20  20  20  21  20  20  20  21  20  20		188/250g attach or attachment (rivet or	USUCR
188/250g.ccls. and material near5 (rivet or fastener or attach or attachment or loop)  12	18	fastenes and material and 100p)	OSOCR
fastener or attach or attachment or loop)  12   188/250g.ccls. and material near5 (rivet or 188/250g.ccls. and material near5 (rivet or 188/250g.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  20   0   188/250g.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  21   0   0   0   0   0   0    22   188/250g.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  23   19   0   0   0   0   0    24   19   10   0   0   0    25   10   10   0   0    26   10   0   0   0    27   10   0   0   0    28   10   0   0   0    29   10   0   0   0    20   10   0   0   0    20   10   0   0   0    21   10   0   0    22   11   0   0   0    23   10   0   0    24   10   0   0    25   10   0   0    26   10   0   0    27   10   0   0    28   10   0   0    29   10   0   0    20   0   0   0    20   0   0   0    20   0   0   0    21   0   0   0    22   0   0   0    23   0   0   0    24   0   0   0    25   0   0   0    26   0   0   0    27   0   0   0    28   0   0   0    29   0   0   0    20   0   0   0    20   0   0   0    20   0   0   0    20   0   0   0    20   0   0   0    20   0   0   0    21   0   0   0    22   0   0   0    23   0   0   0    24   0   0   0    25   0   0   0    26   0   0   0    27   0   0   0    28   0   0   0    29   0   0   0    20   0	33	188/2500 Tactach or attachment (Fivet or	JSOCP
fastener or attach or attachment or loop)  188/250g.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  20  21  22  fastener or attach or attachment or loop)  or metal adj free) near5 (rivet or fastener or attach or attachment or loop)  or metal adj free) near5 (rivet or metalfree or attach or attachment or loop)  or metal adj free) near5 (rivet or fastener or attach or attachment or loop)  free) addictor metalfree or metalfr	17	fastence and material - 100p)	·
188/250g.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  188/250g.ccls. and (nonmetallic or metalfree or attach or attachment or loop)  188/250g.ccls. and (nonmetallic or fastener or metal adj free) nears (rivet or fastener or attach or attachment or loop)  21  22  23  24  25  26  27  28  28  29  20  20  20  20  21  20  21  20  21  20  21  20  21  20  21  20  21  22  23  24  25  26  27  28  28  28  29  20  20  20  20  21  20  20  21  20  20	12	188/250g.ccls and or attachment or local	SPAT:
or metal adj free) near5 (rivet or metalfree or attach or attachment or loop) or metal adj free) near5 (rivet or fastener or metalfree or attach or near5 (rivet or metalfree or attach or attachment or loop) or metal adj free) near5 (rivet or metalfree or attach or attachment or loop) (nonmetallic or metalfree or metalfree) addition or metalfree or metalf	19	fastener or attach on material near5 (rivet	S-PGPITR
or attach or attachment or loop) or metal adj free) near5 (rivet or fastener 188/250g.ccls. and (nonmetallic or metalfree or attach or attachment or loop) or metal adj free) near5 (rivet or metalfree or attach or attachment or loop) (nonmetallic or metalfree or metalfree) addition or metalfree or metalf		188/250g.ccls. and (new attachment or loop)	SOCR
21 2 1 188/250g.ccls. and (nonmetallic or metalfree or attachment or loop) Or metal adj free) near5 (rivet or fastener (nonmetallic or metalfree or metalfree) 22 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	20	metal adj free) pears or metalfree	_
or metal adj free) near5 (rivet or metalfree or attach or attachment or loop)  (nonmetallic or metalfree or metalfree) addition or metalfree or meta	0 1	88/250 or attachment crivet or fastener	30CR
(nonmetallic or metalfree on me	ا ا	r metal and (nonmetal)	
(nonmetallic or metalfree on me	21	r attach adj free) near5 (rimer or metalfree   mo	:OCD
22   free add of metalfree on F	2	(nonmetall; or attachment or loom) or fastener	OCK
(nonmetallic or metalfree or metal adj	22     £;	cee) adda of metalfree on	
free) adia to metalfree on	5   -	nonmetallic au	OCR
1   Quiz river Qui Metal	fr	ree) adj2 rivet rivet	- 010
			PAT:
US-PGPUR.		Us-	PGPUR.
EPO; JPO.		EPO	); JPO.
DERWENT		DER	WENT

EAST

L Number	Hits		
1	166		DB
	1		USPAT;
2	68	3 (188/245).CCLS.	US-PGPUB
1.			USPAT;
3	8	4326614.URPN.	US-PGPUB
4	23	(#2270700#   #255555	USPAT
		17202075411 1 172000000	USPAT
		1,300,000	
]		11433663411 11437655	j
1		#4441E00# #444	
}		140514001	
		115(2225011	
5	1322	"6230849"   "6340074").PN.  F16D069/04.IPC.	1
1. 1			· USPAT;
			US-PGPUB;
			EPO; JPO;
j i			DERWENT;
6	5	F16D069/04.IPC. and handle	IBM TDB
]	3	and handle	USPAT;
1 .			US-PGPUB;
!!!			EPO; JPO;
		·	DERWENT;
8	4	F16D069/04 IPC 100/	IBM TDB
]	•	F16D069/04.IPC. and 188/258.ccls.	USPAT;
[			US-PGPUB;
]		·	EPO; JPO;
	·		DERWENT;
7	6	F16D069/04.IPC. and "same material"	IBM_TDB
	Ĭ	F16D069/04.IPC. and "same material"	USPAT;
1			US-PGPUB;
]	ļ		EPO; JPO;
[	ł		DERWENT;
9	0	61256032.URPN.	IBM_TDB
10	i l	JP361256032A	USPAT
	-	01301230U3ZA	USPAT;
			US-PGPUB;
1			EPO; JPO;
1	1		DERWENT;
11	6	KAWAKAMI and OOYAMA	IBM TDB
12	31	F16D069/04 IDC 100/5	JPO
}		F16D069/04.IPC. and 188/251\$.ccls.	USPAT;
	j		US-PGPUB;
	j		EPO; JPO;
1	1		DERWENT;
13	40	F16D069/04.IPC. and 188/73.1.ccls	IBM_TDB
}		F16D069/04.IPC. and 188/73.1.ccls.	USPAT;
i	ſ		US-PGPUB;
	ļ		EPO; JPO;
	ł		DERWENT;
14	2 4	4588050.URPN.	IBM TDB
15	2	Callahan in and and a	USPAT
1	-	callahan.in. and page.in.	USPAT;
1			US-PGPUB;
	ł		EPO; JPO;
1	1		DERWENT;
.6	110 (	(callahan in	IBM TDB
	-10   (	(callahan.in. or page.in.) and brak\$4	USPAT;
1	1	• •	US-PGPUB;
1	1		EPO; JPO;
1			DERWENT;
7	3.	12 .	
'	16 (	callahan.in. or page.in.) and brak\$4 same	IBM_TDB
İ	l p	ack\$4	USPAT;
	1		US-PGPUB;
	Į	•	EPO; JPO;
8	l		DERWENT;
0	9   (	"0601651"   "1673027"   "1781074"	IBM_TDB
	"3	1974561"   "2361307"   "2451326"	USPAT
1	1111	2687191"   "3275105"   "3868002").PN.	1

19		6 F16D069/04.IPC. and arms! same material	
		and arms: same material	USPAT;
1			US-PGPUB;
			EPO; JPO;
20	-		DERWENT;
20	23	The contract and (Dack or backing) and	USPAT;
ļ		plate (Just of Backing) adj	US-PGPUB;
1			EPO; JPO;
	}		DERWENT;
21	16	F16D069/04 TDC ()	1
		TITES OF THE MILL (DACK OF backing)	
1		plate same (rivet or fastener) same material	
Ì			EPO; JPO;
			DERWENT;
23 ·	6	(brake or braking) near5 ((back or backing)	IBM_TDB
		adj plate) same (rivet or fastener) near4	USPAT;
		material TableMel Mear4	US-PGPUB;
			EPO; JPO;
24	_		DERWENT;
47	5		IBM_TDB USPAT;
		WWJ Piace/ Same (river or factorow)	US-PGPUB;
		friction adj material	EPO; JPO;
			DERWENT;
25		(brake on bushing)	IBM_TDB
-	1	I TOTAL OF DIGNIES DESTE ( DECK ON FEETS )	USOCR
		adj plate) same (rivet or fastener) near4 friction adj material	
26	2	I ++ +CCION adii mareriai	
	1		USOCR
		adj plate) same (rivet or fastener) near4	1
27	2		
		F16D069/04.IPC. and (ushape or ushaped or u adj shape or u adj shaped) same (back or	USPAT;
		backing) adj plate (back or	US-PGPUB;
		J, and prace	EPO; JPO;
			DERWENT;
28	0	1 / · - · - / - J · J · CCIS. AND Dighama or	IBM_TDB
		I a aal bhabe of h add shaned asme /h	USPAT;
	1	or backing) adj plate	US-PGPUB;
			EPO; JPO;
29			DERWENT; IBM TDB
2,5	0	188/73.1,250\$.ccls.	USPAT;
			US-PGPUB;
			EPO; JPO;
			DERWENT;
30	- 440	188/73.1.ccls.	IBM_TDB
	110	100/73.1.CCIS.	USPAT;
			US-PGPUB;
	}		EPO; JPO;
	ł		DERWENT;
11	1458	188/250\$.ccls.	IBM_TDB
	ĺ	,	USPAT;
1	[		US-PGPUB;
1	ļ		EPO; JPO;
, 1		•	DERWENT;
2	1744	188/73.1.ccls. or 188/250\$.ccls.	IBM_TDB
	1	, ,	USPAT;
	1		US-PGPUB; EPO; JPO;
	ĺ		DERWENT;
3	, [	/100/50 -	IBM TDB
-	15	(188/73.1.ccls. or 188/250\$.ccls.) and	USPAT;
1		lustrape of usnaped or u add chame and	US-PGPUB;
	ł		EPO; JPO;
	1		DERWENT;
4	25		IBM TDB
	23 .		USPAT;
1	1.		US-PGPUB;
1	1		EPO; JPO;
i	ľ		DERWENT;
	1	1 .	IBM_TDB

.

35	1	5 (188/73.1.ccls. or 188/250\$.ccls.) at	nd Triange
	1	loop same back\$	uspat;
	ľ		US-PGPUB EPO; JPO
}		•	DERWENT;
36		(188/73.1.ccls. or 188/250\$.ccls.) ar	
1		loop same back\$3	
	1		US-PGPUB;
			EPO; JPO; DERWENT;
37	ŀ	1 "3343770".PN.	IBM TDB
38		3 5732800.URPN.	USPAT
39	3:	9 (188/73.1.ccls. or 188/250¢1-	USPAT
İ		(backing or back) adj2 plate	
	1		US-PGPUB;
	j	·	EPO; JPO; DERWENT;
41		4 (188/73.1 ccls on 180/0504	IBM TDB
		4 (188/73.1.ccls. or 188/250\$.ccls.) and (backing or back) adj2 plate same (c adjshape or c adjshaped)	
		shape or c adj shaped)	
	İ		EPO; JPO;
43	6	199/250	DERWENT;
	1 °	1 188/250g.ccls. and 188/251\$.ccls.	IBM_TDB USPAT;
			US-PGPUB;
			EPO; JPO;
42			DERWENT;
12	4	188/250g.ccls. and 188/73.1.ccls.	IBM_TDB
	ĺ		USPAT; US-PGPUB;
			EPO; JPO;
			DERWENT;
44	337	(188/250g).CCLS.	IBM TDB
45	265		USPAT;
	267	(188/258).CCLS.	US-PGPUB USPAT;
46	56	188/250g.ccls.	US-PGPUB
4.50			EPO; JPO;
47	58	188/250g.ccls. and f16d069/04.ipc.	DERWENT
			USPAT;
	1	•	US-PGPUB; EPO; JPO;
18	3209	(rivet or factory)	DERWENT
		<pre>(rivet or fastener) same ((back or backin adj2 plate)</pre>	g) USPAT;
			US-PGPUB;
.9			EPO; JPO;
••	0	((rivet or fastener) same ((back or backi	DERWENT
	1	adj2 plate) ) same (rivet or fastener) ne (made adj4 friction adj	ng) USPAT; ar3 US-PGPUB;
_	1	(made adj4 friction adj material) same damag\$4	EPO; JPO;
0	7	((rivet or fastener) same (/)	DERWENT
	1	friction same damag\$4	
1	23		EPO; JPO; DERWENT
	23	<pre>(rivet or fastener) same damag\$4 near3 prevent\$ same brak\$4</pre>	USPAT;
		r	US-PGPUB;
2			EPO; JPO;
2	2	(fastener) same damag\$4 near3 prevent\$ sam	DERWENT
		brak\$4	
	1	•	US-PGPUB; EPO; JPO;
3	2116	damaq\$4 near3 pro	DERWENT
		damag\$4 near3 prevent\$ same brak\$4	USPAT;
			US-PGPUB;
.			EPO; JPO;
	51	damag\$4 near3 prevent\$ same brak\$4 near2	DERWENT
		(material or surface)	USPAT; US-PGPUB;
- 1			I VO FORUM:
	1	amag\$4 near3 prevent\$ same brak\$4 near2 material or surface) and 188/\$.ccls.	EPO; JPO; DERWENT

55	<del></del>	2 //	
33	4.	2 (damage or damaged or damaging) near3	USOCR
		(preventing or prevented or prevents or prevent) same (brake or braking) near2	
		\material or surface) and 188/5 colo	l l
56	85	o   (damage or damaged or damaging) nears	Hanan
		\preventing or prevented or prevents and	USOCR
		Pievelle   Same (Drake or braking) norma	
57	-	( material or surface)	
		2 188/256.ccls. and 188/258.ccls.	USPAT;
58	295	188/256.ccls. or 188/258.ccls.	US-PGPUB
		17 = 5 1 5 5 1 5 1 6 1 6 8 7 2 5 8 . CC1s .	USPAT;
59	3		US-PGPUB
60	5		USPAT USPAT
61		1 16/0424"   "4273219") DN	OSPAI
<b>-</b>	4	((rivet or fastener) adj5 material adj8	USPAT;
		prevent\$) same brak\$4	US-PGPUB;
			EPO; JPO;
62	40	((rivet or fastener or bolt) near5 material)	
	1	same prevent\$5 same brak\$4	
		1	US-PGPUB;
63		And a	EPO; JPO; DERWENT
-3	54	I VERTOR OF LUBUCHEL OF DOLL BOOKE (fortall.	USPAT;
		adj2 (material or substance)) same brak\$4	US-PGPUB;
			EPO; JPO;
64	0	(rivet or fastener or bolt) near5	DERWENT
		(nonabrasive adj2 (material or substance))	USPAT;
		same brak\$4	US-PGPUB;
65	_		EPO; JPO;
0 0	0	(rivet or fastener or bolt) near5	DERWENT USPAT;
		nonabrasive same brak\$4	US-PGPUB;
			EPO; JPO;
56	0	(rivet or fastener or bolt) near5	DERWENT
		nonabrasive same brak\$4	USOCR
57	0	(rivet or fastener or bolt) same nonabrasive	i
	} ;	same brak\$4	
	·		US-PGPUB; EPO; JPO;
8	0	(rivet or factors and and	DERWENT
		<pre>(rivet or fastener or bolt) same nonabrasive   same brak\$4</pre>	USPAT;
			US-PGPUB;
0			EPO; JPO;
9	0	(rivet or fastener or bolt) same nonabrasive	DERWENT USPAT;
	1	same brak\$4	US-PGPUB;
	1		EPO; JPO;
0	15676	(rivet or factorer as & 3.1)	DERWENT
		(rivet or fastener or bolt) same brak\$4	USPAT;
			US-PGPUB;
			EPO; JPO;
l	134	(rivet or fastener or bolt) same brak\$4	DERWENT
	1	adj2 (back or backing)	USPAT; US-PGPUB;
	1		EPO; JPO;
2	99	((rivet or factors)	DERWENT
		((rivet or fastener or bolt) same brak\$4 adj2 (back or backing)) same (back or	USPAT;
	]:	backing) adj2 (member or plate)	US-PGPUB;
	1		EPO; JPO;
	0 !	505314.URPN.	DERWENT
	720	188/1.11\$.ccls.	USPAT
	1	•	USPAT; US-PGPUB
	0   3	188/1.11\$.ccls. and rivets! near3	USPAT;
	] [	ionabrasive	US-PGPUB
		188/1.11\$.ccls. and rivets! near3	USOCR
	0	rivets! near3 nonabrasively adj engage	•
	1		USPAT;
	1		US-PGPUB;
i	l		EPO; JPO;

78		0 (fastener or bolt or rivet) near3	Trons =
	1	nonabrasively same engage	USPAT;
			US-PGPUB EPO; JPO
79	1 :	34 (fastener om han	DERWENT
1		'- I (+GBCGHEL OF DOIF AS SI)	on USPAT;
		or pad or shoe or lining) near4 material same (brake or barking)	US-PGPUB
]	1	dame (blake or barking)	EPO; JPO
80	3	(fastener or bolt on "	DERWENT
j	j	(fastener or bolt or rivet) near3 (friction or pad or shoe or liminal)	n USPAT;
		or pad or shoe or lining) near4 material same (brake or braking)	US-PGPUB;
1		(Seale of Braking)	EPO; JPO;
81		nonmetallic near3 (fastener or bolt or	DERWENT
j		1 CC/ MCal3 (friction on 3	USPAT;
		lining) same (brake or braking)	US-PGPUB;
82	1	( Diaking)	EPO; JPO;
102		nonmetallic near3 (fastener or bolt or	DERWENT
l		Tartor   Same (Iffice ion or mad )	USPAT;
j		lining) same (brake or braking)	US-PGPUB;
83		1	EPO; JPO;
1 55	-5€	1 nears (fastenes es b.s.	DERWENT
· ·		rivet) (rastener or bolt or	USPAT;
	1		US-PGPUB;
84	1	16	EPO; JPO;
	22		DERWENT
		bolt or rivet) same (brake or braking)	USPAT;
			US-PGPUB;
85	0	(above and )	EPO; JPO;
	١	1 (aztablic) Hear (factorox a. t. ).	DERWENT USPAT;
		same (brake or braking)	US-PGPUB;
	1		EPO; JPO;
86		(abragina)	DERWENT
		(dbidbive) Hear (factoron on 1 1	USPAT;
		same (brake or braking)	US-PGPUB;
	Į		EPO; JPO;
87	1	(abrasion) nears (s	DERWENT
		(abrasion) near3 (fastener or bolt or rivet) same (brake or braking)	USPAT;
	1	(Stake of Braking)	US-PGPUB;
0.0			EPO; JPO;
92	229	(fastener or bolt or rivet) near3 friction	DERWENT
		same (brake or braking)	USPAT;
	1	Staking)	US-PGPUB;
93	1 1		EPO; JPO;
,,	22	(fastener or bolt or rivet) near3 (friction or frictional) near3 material	DERWENT
	1 1		USPAT;
	1	braking) brake or	US-PGPUB;
94	1 -1	15	EPO; JPO;
	1	(fastener or bolt or rivet) near3 (friction or frictional) near3 materials	DERWENT
	1	or frictional) near3 material same (brake or braking) same (damage or provided brake)	USPAT;
	, [	braking) same (damage or prevent or	US-PGPUB;
5	2		EPO; JPO;
		(fastener or bolt or rivet or attachment)	DERWENT
			USPAT;
	1 1	THE TALL DOING (DEAKA OF PROPERTY	US-PGPUB; EPO; JPO;
6			DERWENT
		trasteller or holf or river	USOCR
i			-2001
_		same (brake or braking) same (damage or prevent or preventing)	
7			
		((fastener or bolt or rivet or attachment)	USOCR
. 1	l p	prevent or preventing) same (damage or	
			1
			USOCR
1			
			r :
		revent or preventing) same (damage or acking) adj3 plate	

	146	(((fastener or ball	
1 1	110	same (friction or frictional) same material	USOCR
100	14	prevent or preventing) same (damage or backing) adj3 plate) and 188/\$.ccls.  (fastener or bolt or rivet or attachment) same (friction or frictional)	
101	2	prevent or preventing) same (damage or prevent or preventing) same (fastener or bolt or rivet or attachment) near5 (back or backing) adj (plate or shoe)	
		same (brake or braking) same (damage or prevent or preventing) same (fastener or bolt or rivet or attachment) near5 (back or backing) adj (plate or shee)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	2	PAGE.IN. AND CALLAHAN.IN.	USPAT; US-PGPUB; EPO; JPO; DERWENT;
	1322	F16D069/04.IPC.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;
-	0	F16D069/04.IPC. AND (close\$3 adj loop or embedded or encapsulated or enclosed or ushap\$4 or wshap\$4 or vshap\$4) near3 (back or backing) adj2 plate	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;
	18	F16D069/04.IPC. AND loop	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;
		F16D069/04.IPC. AND handle	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;
	1	1981-H8147D.NRAN. 4371061.URPN. ("4371061").PN.	IBM_TDB DERWENT USPAT USPAT;
	7	4371061.URPN. ("0799296"   "1220792"   "1586369"   "3432194"   "3851738"   "4004659"   "4271936").PN.	US-PGPUB USPAT USPAT
	4072	(back or backing) adj2 plate same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT;
	521 (b	ushap\$3 or u adj shap\$4) same brak\$4 same ack\$4	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;
			DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;
	5   (   sa	3343770".PN. (back or backing) adj2 plate same brak\$4) ame ((ushap\$3 or u adj shap\$4) same brak\$4 ame back\$4) same closed	IBM_TDB USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT;

.

EAST

Callanan.in. or page.in.) and brak\$4 same				
188/245   CCLS   USPAT; USPA		er Hits	-   - caron lox	
2   68	1	166	(188/73.32).CCLS.	
3	1_	1		
3	2	68	(188/245).CCLS.	
1	1_	1		
1		] 8	4326614.URPN.	
### ### #### #########################	4	23	[ /non: ]	USPAT
"3998295"   "4061208" "4053003"   "417667"   "413681"   "418588"   "446205"   "417858"   "5523042"   "5538078"   "5523048"   "5523048"   "5523048"   "6340074")   PN.   USPAT, US-POPUB, EPO; JPO; DERWENT; IBM, TDB USPAT; US-POPUB, EPO; JPO; DERW			1 12000 1 2124347 1	USPAT
"4326614" "441588" "44678" "447867" "4471868" "4471861" "5632362" "6075221" "50752221" "50752221" "50752221" "50752221" "5075221" "507522221" "507522221" "507522221" "507522221" "507522221" "507522221" "507522221" "507522221" "507522221" "50752222	İ		1 112000000	1
"4441588" "4469205" "4471858"   "4471858"   "5523262"   "5503639"   "5524314"   "5623362"   "6003639"   "6075221"   US-PGPUB; EPO, JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO, JPO; DERWENT; IBM TDB			"422543"	
"4951409"   "5538078"   "5624334"			1144447000	
"5632362" "6003639" "6075221"		İ	14054400	1 1
S			3024334	1 1
S	- [			į į
SPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO;	5	1322	6230849"   "6340074").PN.	1 1
S		1322	F16D069/04.1PC.	USPAT:
SPO, JPO; DERMENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM TDB USPAT US-PGPUB; EPO; JPO; DERMENT; IBM TDB USPAT US-PGPUB; EPO; JPO; DERMENT; IBM TDB USPAT US-PGPUB; EPO; JPO; DERMENT; IBM TDB USPAT US-PGPUB; EPO; JPO; DERMENT; IBM TDB USPAT US-PGPUB; EPO; JPO; DERMENT; IBM TDB USPAT US-PGPUB; EPO; JPO; DERMENT; IBM TDB USPAT USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM TDB USPAT USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM TDB USPAT USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM TDB USPAT USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM TDB USPAT USPAT; US				US-PODIE.
S	1			EPO: JPO:
S				DEDWENT.
Second   S	1	_		
8	10	5	F16D069/04.IPC. and handle	
Bero; JPO; DEEWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DEEWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT;	1			
BERNENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   USPAT;   USPAT;   USPAT;   USPAT;   USPAT;   USPAT;   USP	1		<u>'</u>	EDO TOO
S	1	1		DEPURE
17	1.	1		
17	l s	4	F16D069/04.IPC. and 188/258 ccls	
F16D069/04.IPC. and "same material"   EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	1	1	100/250.0018.	
The content of the	1			US-PGPUB;
TBM TDB   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB   USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB   USPAT; USPAT;	1	1		EPO; JPO;
S				
US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT   USPAT   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   JPO   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   JPO   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   EPO; JPO;   DERWENT;   USPAT;   US	7	6	F16D069/04 IPC and "same "	
US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	1		and "same material"	
SEPO; JPO; DERWENT; IBM_TDB   SEPO; JPO; DERWENT; ISM_TDB   SEPO	1		•	US-PGPUB;
Servent   Derwent   Derw				EPO; JPO;
10		, ,		DERWENT;
10	9		61256032 JIDDN	
11	10	1 1		
Sepond   S	ľ		01301230U32A	
11				
DERWENT; IBM_TDB JPO USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		]		EPO; JPO:
11	1	1 . 1		
12   31   F16D069/04.IPC. and 188/251\$.ccls.   JPO	111		VAMAVANT 1 com	
13	1	1 2	MAMARAMI AND OOYAMA	· - ·
13	1	31	and 188/251\$.ccls.	
13   40   F16D069/04.IPC.   and 188/73.1.ccls.   EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT USPAT USPAT USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	1	1		US-PGDITE.
DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT ISM TDB USPAT		1		EPO: TPO:
13	1			DERWENT.
14	13	1 40	E1 CD0 C0 / 0 4 - 7 - 7	IBM TOR
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT		40	ribDU69/04.IPC. and 188/73.1.ccls.	
EPO; JPO; DERWENT; IBM_TDB USPAT US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT  18 9 ("0601651"   "1673027"   "1781074"   USPAT USPAT	ĺ	1		
DERWENT; IBM_TDB USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	1	1		EPO TRO
14	[	1		
15 2 d338030.URPN. callahan.in. and page.in.  USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT  2 d8 d8 d8 d8 d8 d8 d8 d8 d8 d8 d8 d8 d8	14	_ [		
16		2	4588050.URPN.	
16	12	2	callahan.in. and page.in.	
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT USPAT USPAT			<b>.</b> • • • • • • • • • • • • • • • • • • •	· · ·
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT  18 9 ("0601651"   "1673027"   "1781074"   USPAT  2 2361307"   "2451326"   USPAT				
16				EPO; JPO;
170 (callahan.in. or page.in.) and brak\$4 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT  "1974561"   "1673027"   "1781074"   "1974561"   "2361307"   "2451326"		1	•	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	16	110	(callahan.in. or page in ) and busha.	
16 (callahan.in. or page.in.) and brak\$4 same  16 (callahan.in. or page.in.) and brak\$4 same  18 9 ("0601651"   "1673027"   "1781074"    "1974561"   "2361307"   "2451326"    EPO; JPO; DERWENT; IBM_TDB USPAT  2			or page.in./ and brak\$4	
16 (callahan.in. or page.in.) and brak\$4 same  16 (callahan.in. or page.in.) and brak\$4 same  18 9 ("0601651"   "1673027"   "1781074"    "1974561"   "2361307"   "2451326"    EPO; JPO; DERWENT; IBM_TDB USPAT  2		]		US-PGPUB;
16 (callahan.in. or page.in.) and brak\$4 same   DERWENT; IBM_TDB   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB   USPAT		]		EPO; JPO;
16 (callahan.in. or page.in.) and brak\$4 same USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT  9 ("0601651"   "1673027"   "1781074"   "1974561"   "2361307"   "2451326"   USPAT				DERWENT;
back\$4   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT   "1974561"   "2361307"   "2451326"   USPAT   2	17	16 1	Callahan in on name i	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB "1974561"   "2361307"   "2451326"   USPAT		1	packs4	
18 9 ("0601651"   "1673027"   "1781074"   USPAT 2			ACAPT.	
0 ("0601651"   "1673027"   "1781074"   DERWENT; IBM_TDB USPAT   1974561"   "2361307"   "2451326"	ļ			EPO: JPO:
9 ("0601651"   "1673027"   "1781074"   USPAT 2451326"			•	DERWENT.
"1974561"   "1673027"   "1781074"   USPAT	18	. ا	11.0.C.0.2.C.T	
"1974561"   "2361307"   "2451326"   OSPA1		, ,	1 -0.002/   1/010/4"	
	ĺ		1974561"   "2361307"   "2451326"	OSPAI /
			2687191"   "3275105"   "3868002").PN.	

19		6 F16D069/04.IPC. and arms! same material	
1		6 F16D069/04.IPC. and arms! same material	USPAT;
1	1		US-PGPUB;
}	1		EPO; JPO;
20			DERWENT;
120	23	0 F16D069/04.IPC. and (back or backing) ad	<pre>IBM_TDB j USPAT;</pre>
		plate (Ducking) ad	
		1	US-PGPUB; EPO; JPO;
1			DERWENT;
21	1.	F16D069/04.IPC, and (back or backing) and	TDM TDD
1	1	place same (river and (back or backing) ad	
	1	plate same (rivet or fastener) same materia	US-PGPUB;
	ł		EPO; JPO;
			DERWENT;
23	€	(brake or braking) near5 ((back or backing)	IBM_TDB
	]	adj plate) same (rivet or fastener) near4	USPAT;
1	1	material (22vct of fastener) near4	US-PGPUB;
	1		EPO; JPO;
24	_	1	DERWENT;
47	5	(brake or braking) near5 ((back or backing)	IBM_TDB
			USPAT;
1		friction adj material	US-PGPUB; EPO; JPO;
			DERWENT;
25	0	(hrake or bust :	IBM TDB
	J		USOCR
		I THE PARTY DAME IT I VAL AV FRANCE	
26	2		
	_	I Take of Diaking, hears //saala a	USOCR
		material material	
27	2	F16D069/04.IPC. and (ushape or ushaped or	
l		u adj shape or u adj shaped) same (back or	USPAT;
[		backing) adj plate (back or	US-PGPUB;
		J, was prace	EPO; JPO;
20			DERWENT;
28	0	188/73.1,250\$.ccls. and (ushape or ushaped	IBM_TDB
1			USPAT;
j	•	or backing) adj plate	US-PGPUB;
1		- J F	EPO; JPO;
29	_ !	400/	DERWENT;
~	0.	188/73.1,250\$.ccls.	IBM_TDB
	i		USPAT; US-PGPUB;
	ł		EPO; JPO;
1	İ		DERWENT;
30 .	440	188/73 1 0010	IBM_TDB
1	- 10	188/73.1.ccls.	USPAT;
1	1		US-PGPUB;
1	ſ		EPO; JPO;
	ŀ		DERWENT;
31	1458	188/250\$.ccls.	IBM_TDB
1	ſ		USPAT;
1	1		US-PGPUB;
1	1		EPO; JPO;
_	ĺ		DERWENT;
2	1744	188/73.1.ccls. or 188/250\$.ccls.	IBM_TDB
1	1	. 250, 2509.CCIS.	USPAT;
I			US-PGPUB;
1	ł		EPO; JPO;
3			DERWENT;
	15	(188/73.1.ccls. or 188/250\$.ccls.) and	IBM_TDB
1			USPAT;
	1	shaped) same (back or backing) adj plate	US-PGPUB;
1	1		EPO; JPO;
1	3-		DERWENT;
-	25		IBM_TDB
	1	····	USPAT;
			US-PGPUB;
			US-PGPUB; EPO; JPO; DERWENT;

35		5 (188/73.1.ccls. or 188/250\$.ccls.) and	HCDAM
	1	loop same back\$	USPAT;
1			US-PGPUB; EPO; JPO;
ſ			DERWENT;
36			IBM TDB
136	1	0 (188/73.1.ccls. or 188/250\$.ccls.) and	USPAT;
j		loop same back\$3	US-PGPUB;
1 .			EPO; JPO;
1			DERWENT;
37	ł	1	IBM TDB
38		1 "3343770".PN.	USPAT
39	ľ	3 5732800.URPN.	USPAT
33	32	9 (188/73.1.ccls. or 188/250\$.ccls.) and	USPAT;
1		(backing or back) adj2 plate	US-PGPUB;
1			EPO; JPO;
}			DERWENT;
41		4 (188/73 1 ccls on 100/0504	IBM TDB
		-   \-\\\ /\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	USPAT;
	1	(Dacking Or Dack) adio plate come (a add	US-PGPUB;
		shape or c adj shaped)	EPO; JPO;
		· ·	DERWENT;
43	64	1 188 / 25001	IBM TDB
	04	1 188/250g.ccls. and 188/251\$.ccls.	USPAT;
			US-PGPUB;
	1		EPO; JPO;
			DERWENT;
42	4.5	188/2500 cala 100/	IBM TDB
		188/250g.ccls. and 188/73.1.ccls.	USPAT;
			US-PGPUB;
			EPO; JPO;
		· ·	DERWENT;
44	337	(188/250g).CCLS.	IBM_TDB
	J	(110) 2309) . CCES.	USPAT;
45	267	(188/258).CCLS.	US-PGPUB
	İ	, , , , , , , , , , , , , , , , , , ,	USPAT;
46	56	188/250g.ccls.	US-PGPUB
	İ		EPO; JPO;
47	58	188/250g.ccls. and f16d069/04.ipc.	DERWENT
		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	USPAT;
			US-PGPUB;
48			EPO; JPO;
40	3209	(rivet or fastener) same ((back or backing)	DERWENT
		adj2 plate)	USPAT;
	1	, '	US-PGPUB; EPO; JPO;
10		1	
19	0		USPAT;
		"d] Piace/ / Same (river or factorow)	US-PGPUB;
		( made day filection add material) game	EPO; JPO;
50	7	damay\$4	DERWENT
	/ /	((rivet or fastener) same ((back or backing)	USPAT;
		aale Prace/ / Same (rivet or factores)	US-PGPUB;
	1 1	friction same damag\$4	EPO; JPO;
1	23	(rivet or factors)	DERWENT
	23	(rivet or fastener) same damag\$4 near3	USPAT;
		prevent\$ same brak\$4	US-PGPUB;
	]		EPO; JPO;
2	2	(fastener) same damage.	DERWENT
	1 -1	(fastener) same damag\$4 near3 prevent\$ same brak\$4	USPAT;
	1	~~ with ±	US-PGPUB;
	1		EPO; JPO;
3	2116	damag\$4 near3 prevents	DERWENT
		damag\$4 near3 prevent\$ same brak\$4	USPAT;
	]		US-PGPUB;
	]		EPO; JPO;
4	51	damag\$4 near2 nro	DERWENT
		<pre>damag\$4 near3 prevent\$ same brak\$4 near2 (material or surface)</pre>	USPAT;
		(colldr of sufface)	US-PGPUB;
			EPO; JPO;
	1 1	damag\$4 near3 prevent\$ same brak\$4 near2	DERWENT
	- 1	(material or surface) and 188/\$.ccls.	USOCR 2
	l l		

		•	
55	42	(damage or damaged or damaging) near3 (preventing or prevented or prevents or	USOCR
56	95	prevent) same (brake or braking) near2   (material or surface) and 188/\$ cals	
30	. 85	(preventing or prevented or prevents or prevent) same (brake or braking) nears	USOCR
57	2	(material or surface) 188/256.ccls. and 188/258.ccls.	USPAT;
58	295	188/256.ccls. or 188/258.ccls.	US-PGPU USPAT;
59	3	5597053.URPN.	US-PGPU
60	5	("0995067"   "1143518"   "1239448"   "1670224"   "4273219").PN.	USPAT USPAT

•